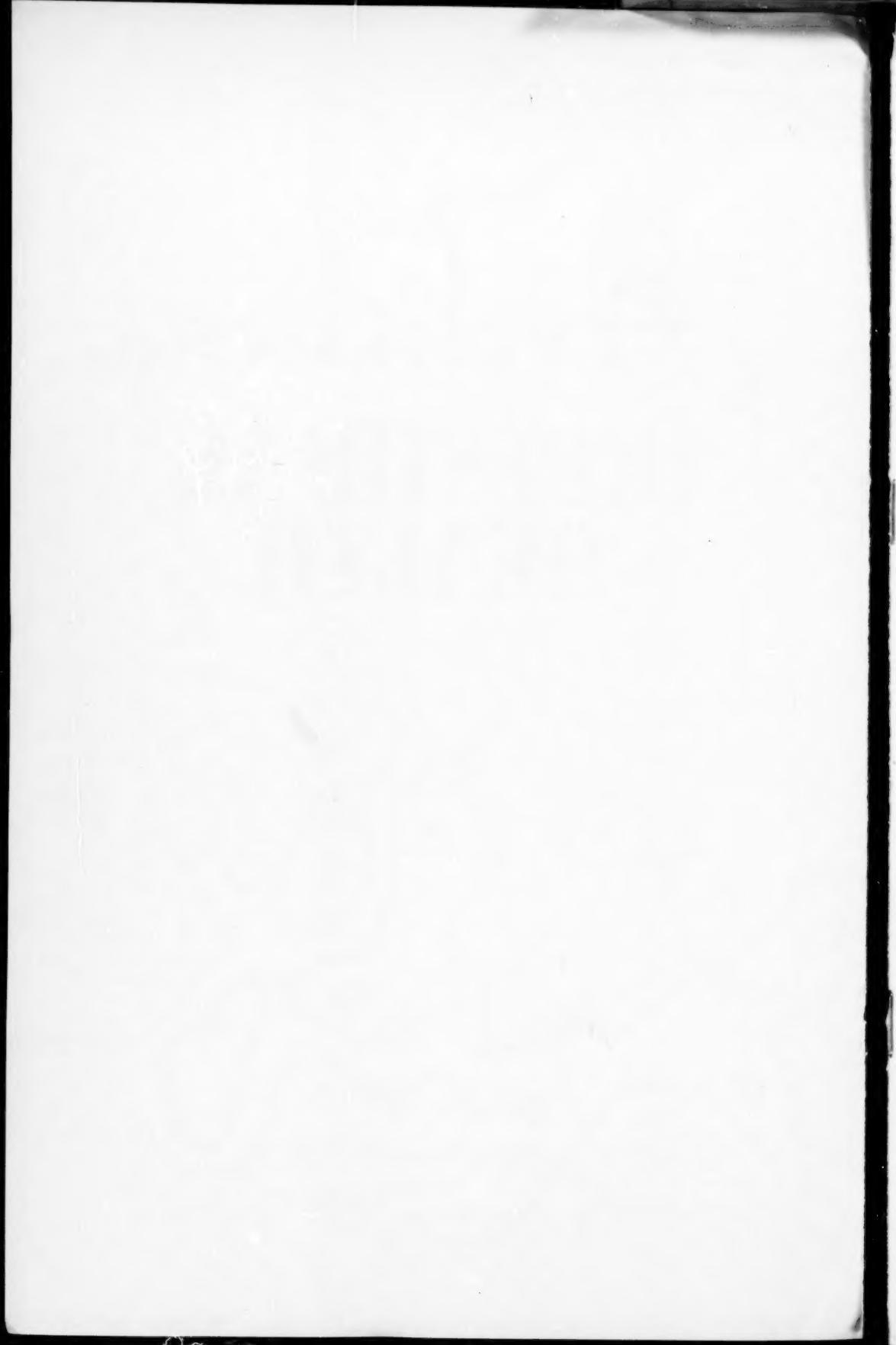


A.M.A. *Archives* **OF**
INDUSTRIAL
HEALTH

VOLUME 13
1956

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO 10, ILL.



A.M.A. *Archives* **OF**
INDUSTRIAL
HEALTH

INDEX NUMBER
IN TWO SECTIONS—SECTION II

JUNE 1956
VOLUME 13 NUMBER 6

INDEX TO A. M. A. ARCHIVES OF INDUSTRIAL HEALTH
FOR THE PERIOD
JANUARY THROUGH JUNE, 1956

AMERICAN MEDICAL ASSOCIATION Publication

THIS INDEX consists of three parts: Author Index, Index to Pages, and Subject Index. A Title Index is not included, and subscribers who wish a Table of Contents in the bound volume should arrange to have the Tables of Contents of each of the six issues of this volume included among the pages to be bound. For the use of such subscribers an additional title page suitable for binding is included.

AUTHOR INDEX TO VOLUME 13

In this Index in alphabetical order are the names of the authors of all articles which have appeared in the ARCHIVES, followed by the page numbers on which their articles begin.

For Subject Index see page 6.

A		D		Harrison, C. V.	
Albert, R. E.	433	Davis, W. K.	428	Harrod, D. C.	561
Allred, S. S.	167	Deichmann, W. B.	8	Hatch, T. F.	170, 355
Anderson, W. A. D.	8	DuBois, K. P.	606	Hawthorne, M. F.	574
Asset, G.	597	Dunham, C. L.	451	Hayes, A. D.	156
		Durham, W. F.	326	Hayes, W. J., Jr.	326
B		E		Heslin, J.	8
Baker, G. L.	574	Elkins, H. B.	51	Hodge, H. C.	259
Bardoděj, Z.	581	Elliott, J. W.	593	Holaday, D. A.	437
Batchelor, G. S.	37, 593	F		Hollingsworth, R. L.	1, 217, 228
Bell, P.	170	Falk, H. L.	13	Horn, H. J.	340
Bell, R. F.	366	Feinsilver, L.	237	J	
Berger, A. R.	245	Fisher, M. A.	372	Jacobson, K. H.	237
Blanchet, H. J., Jr.	259	Fowler, W. S.	150	James, W. D.	24
Blumberg, M. S.	55	Friberg, L.	18	Jech, Č.	475
Boland, J. R.	366	G		K	
Bolt, R. J.	253	Gaines, T. B.	326	Kauffmann, G.	24
Bristol, L. J.	144	Gerarde, H. W.	331, 468	Kearley, E.	489
Bugher, J. C.	425, 458	Giel, C. P.	321	Kehoe, R. A.	413
Burke, W. J.	417	Gilliland, J. C.	366	Kesić, B.	602
C		Goldwater, L. J.	29, 245	King, E. J.	112, 122, 133
Cabasso, V. J.	275	Gongwer, L. E.	597	Kleinfeld, M.	177, 245, 321
Caplan, P.	37	Gross, P.	161	Kotin, P.	13
Cember, H.	170	Grucci, T.	170	Kramer, I. R.	29
Coelho, M. A.	156	H		Kubištová, J.	556
Coffin, J. C.	55	Hackley, E. B.	237, 379	Kunkel, A. M.	346
Comstock, C. C.	379	Häusler, V.	602	Kuschner, M.	147
Coplan, M. M.	8	Harris, R. S.	259		
Cox, H. S.	275				
Culver, D.	37				

L	P	T
Langer, G.	372 Pagnotto, L. D.	51 Tabershaw, I. R.
Lauterbach, K. E.	156 Palm, P. E.	355 Taylor, R. M.
Lewis, W.	628 Parker, H. M.	441, 454 Tebbens, B. D.
	Pecora, L. J.	93 Terrill, J. G., Jr.
M	Pemberton, J.	437, 446 Thomas, D. L. G.
McCollister, D. D.	1, Prescott, B.	489 Thomas, J. F.
	217, 228 Press, E.	567 Thomas, J. W.
McNerney, J. M.	161, Princi, F.	545, 550 Thursh, D. R.
	355 Punte, C. L.	606 Tupper, C. J.
Mallery, O. T., Jr.	253 Purec, L.	253
Mancuso, T. F.	201	V
Manov, G. G.	448	Valero, A.
Markham, F. S.	275 R	265 Vandekar, M.
Markul, I.	13 Radomski, J.	602 Vyskočil, J.
May, K. R.	481 Reed, C. E.	581
Maynard, E. A.	259 Robertson, L. T.	W
Messite, J.	321 Robinson, J. C.	Walker, K. C.
Morris, G. E.	480 Rowe, V. K.	593 Watson, J. A.
Moskowitz, S.	417 Ryan, S.	170 Webb, H. B.
Motley, H. L.	265	109 Weir, R. J.
Mukai, M.	567 S	340 Western, F.
Murphy, S. D.	606 Sander, O. A.	435 Westrick, M. L.
Murtha, E. F.	346 Saunders, J. P.	161 Wills, J. H.
N	Schrenk, H. H.	346 Wilson, M. E.
Nagelschmidt, G.	Schwartz, L.	561 Witkin, L. B.
	112, Shiels, D. O.	34 Woods, F. M.
	122, 133 Smart, R. H.	8 Wright, G. W.
Noyes, H.	310 Spencer, H. C.	140 Y
O	Stabile, D. E.	Yoder, R. E.
Oberst, F. W.	379 Sterner, J. H.	545, 550 Yunghans, R. S.
Oikemus, A. H.	346 Sullivan, B. R.	336 Z
Oyen, F.	1, 217, 228 Sunderman, F. W.	Zaidi, S. H.

INDEX TO PAGES
of Volume 13, by monthly issues, January-June, 1956

Pages	No.	Month	Pages	No.	Month
1-108	1	January	321-424	4	April
109-216	2	February	425-528	5	May
217-320	3	March	529-632	6	June

SUBJECT INDEX TO VOLUME 13

The following Index contains an alphabetical list of significant subjects presented in this volume. Abstracts are indexed by category under the heading "ABSTRACTS." Books reviewed are listed alphabetically by title under the heading "BOOKS." Obituaries and death notices are indexed under the heading "DEATHS."

Occupational health news compiled by the United States Public Health Service is indexed separately under the heading "OCCUPATIONAL HEALTH NEWS." Items of most general interest are also listed under appropriate headings throughout the index.

A	Aerosol—Continued	BOOKS
Absence from work: syllabus on 55	size for maximum penetration through fiberglas and sand filters 545	Back and Its Disk Syndromes, Ed. 2 (Lewin) 196
ABSTRACTS	Agricultural chemicals: disease from, in California 102	Gewerbliche Vergiftungen (Teleky) 199
accidents and their prevention; protective equipment 86, 194, 407, 621	Air pollution: aromatic hydrocarbons in 13, 567	Human Factors in Highway Transport Safety (McFarland and Moseley) 91
determination of air-borne contaminants 85, 192, 298, 405, 516, 618	Air sampling: cascade impactor with moving slides 481	Human Variables in Motor Vehicle Accidents: Review of Literature (McFarland and others) 304
environmental conditions 84, 190, 296, 404, 514, 618	Alcohol: diacetone, determination of in air 336	Meteorology and Atomic Energy (Weather Bureau) 197
general 71, 181, 281, 391, 499, 613	p-Aminobiphenyl: carcinogenic action in dog 8	Methods for Determining Lead in Air and in Biological Materials (Committee on Chemical Procedures of Occupational Health Section, American Public Health Association) 196
industrial toxicology 80, 187, 290, 398, 511, 616	Ammonia: urticaria from exposure to fumes 480	Particle Size Determination (Cadde) 196
legal medicine 87, 408	Aniline: chronic inhalation toxicity 379	Plant and Process Ventilation (Hemeon) 197
medicine and surgery 187, 295, 404	Anthrax: report 206	Problems and Control of Air Pollution (Hallette, ed.) 199
occupational diseases and hazards 75, 183, 282, 393, 502, 613	Apple-thinning sprays: dinitro-orthocresol exposure from 593	Proceedings of Third National Air Symposium 200
physiology and nutrition 74, 181, 282, 392	Atomic energy industry: See also Nuclear power, industrial	Sandoz Atlas of Haematology, Ed. 2 (Undritz) 92
radioactive substances and x-ray 88, 195, 408, 622	health problems 426	Wiederbelebung (Killian and Dönhardt) 197
ventilating, air conditioning, and engineering control 193, 301, 406, 517, 620	impact on community health 425	Wiederherstellung der Lebeustüchtigkeit Geschädigter Menschen (Hoske) 92
Aerosol	transition from government to private control 458	
cascade impactor with moving slides 481		
generator, improved 156		
nasal penetration of particles of small inertia, experimental 597		
penetration through lead-shot column 550		
	B	
	Barium sulfate: radioactive, elimination of particles from lungs 170	
	Blast furnace: gas problem 315	

SUBJECT INDEX TO VOLUME 13

- Boron hydrides: See Diborane
- Breather, mechanical: for evaluation of respiratory equipment 561
- C**
- Cadmium poisoning: edathamil calcium-disodium in 18
- Carbon monoxide: lift trucks and 423
- Carbon tetrachloride
- fatality from 212
- inhalation toxicity 1
- Carcinogenesis: p-aminobiphenyl in 8
- Ceramic fiber: synthetic, effect of dust on lungs of rats 161
- Chlorine trifluoride: inhalation toxicology, chronic toxicity 340
- Chlorthion: aerosol application 37
- Cigarette smoke: particle size and concentration 372
- Coal mining: chronic bronchitis, emphysema, and bronchial spasm in bituminous coal workers 529
- D**
- Dental programs: small plant 310
- Dentists: x-ray injuries to 210
- Diacetone alcohol: determination of, in air 336
- Diatomaceous earth: pulmonary function studies in workers 265
- Diborane: pharmacologic effects 346
- Dinitroorthocresol: exposure to 593
- Disease: health and, assessment in industry 307
- Dowfume mixtures: comparative toxicity 1
- Dust
- diseases, and pulmonary emphysema: See Emphysema, pulmonary
- Dust—Continued
- respiratory retention in small animals 355
- E**
- Edathamil calcium-disodium
- in cadmium poisoning 18
- effect on lead acetate intoxication 556
- for lead poisoning 489
- oral, effect on lead excretion 366
- Emphysema, pulmonary 139
- disabling, therapy 154
- obstructive, physiologic aspects 150
- obstructive, radiological diagnosis 144
- pathology 147
- terminology and classification 140
- Ethylene dibromide: inhalation toxicity 1
- Ethylene dichloride: inhalation toxicity 1
- Ethylene oxide
- toxicity in experimental animals 217
- toxicity of inhaled vapor 237
- 2-Ethylhexyl phthalate: oral toxicity in rats and dogs 259
- F**
- Foundries: olivine as molding medium in 216
- Fuel oil: JP-4 jet, in eyes 104
- Fumes: fires and, Michigan report 313
- Fumigant mixtures: comparative toxicity 1
- G**
- Granite: Vermont sheds and quarries, resurvey 97
- H**
- Health
- disease and, assessment in industry 307
- measurement of 109
- Health examinations
- by mobile equipment 250
- laboratory procedures in 253
- Hydrazine
- and methylated derivatives, acute toxicity of 34
- toxicity reduction in mice 24
- Hydrocarbons
- aromatic, fate in atmosphere 13
- aromatic, synthesis in combustion 567
- toxicological studies 331, 468
- I**
- Impactor: cascade, with moving slides 481
- Industrial medicine: place in medical practice 413
- Inks: reaction to antiskinning compound 628
- Insecticides: See also Mosquito control
- organic phosphorus compounds, effects 326
- safety rules 208
- Systox, toxicity and action of metabolites of 606
- Instrumentation for industrial hygiene: encyclopedia of 525
- Investment casting: by frozen-mercury process 29
- L**
- Laboratory procedures: in periodic health examinations 253
- Lead
- acetate intoxication, effect of edathamil calcium-disodium 556
- excretion, effect of oral edathamil calcium-disodium 366
- poisoning, edathamil calcium-disodium for 489
- toxicity in storage-battery plant 321
- Limestone dust: possible cause of silicosis 96

Los Angeles occupational health operation	411	Occupational health: municipal program, Los Angeles	411	OCCUPATIONAL HEALTH NEWS—Continued	
Lungs		Occupational Health Branch, Public Health Service: annual report	385	occupational health potentials	215
emphysema: See Emphysema, pulmonary		OCCUPATIONAL HEALTH NEWS		olivine as molding medium in foundries	216
industrial disease, diagnosis	177	agricultural chemicals causing disease in California	102	parathion, delayed action	211
		airborne radiation hazard	625	poison control centers	108, 305
M		assessment of health and disease in industry	307	psittacosis	214
Malathion: aerosol application	37	anthrax report	206	rabies, occupational	528
Manganese: pamphlet on	209	appointments	105	radiation safety code and industrial hygienists	528
Marrow: femoral, quantitative collection in small laboratory animals	331	California projects	312	radioactivity produces new industrial laws	104
Measurement of health	109	carbon tetrachloride fatality	212	radiological health, Los Angeles program	519
Mercury		Connecticut director	215	radio talks, Massachusetts	215
exposure in university laboratory	245	dental programs, small plant	310	Rockefeller grant for California	208
frozen, investment casting by	29	emergency treatment pamphlet	422	skin diving	93
vapor, influence on blood elements and hemoglobin	602	from fumes to fires, Michigan report	313	sulfuric acid bulletin	524
Mosquito control: aerosol use of malathion and chlordane	37	granite sheds and quarries, of Vermont	97	tanks and pits, hazards of	417
		industrial hygiene courses	631	toxicology laboratory, Washington	213
N		industrial hygiene law, early	527	tuberculosis laboratory, safety measures in	522
NEWS AND COMMENT	169, 252, 303, 488, 605	industrial medicine, place in medical practice	413	uranium mining safety	100
Nuclear power, industrial		ink, reaction to antiskinning compound in	628	ventilation for Baltimore Harbor tunnel, pretesting	318
industrial medicine and	433	insecticides, safety rules	208	x-ray injuries to dentists	210
public health agencies, responsibility of	437	instrumentation for industrial hygiene, encyclopedia of	525	Olivine: as molding medium in foundries	216
radiological hazard control	435	JP-4 jet fuel in eyes	104	P	
reactor accidents	440	lift trucks and carbon monoxide	423	Painting: spray, new hazard in	316
reactor accidents, disaster plan and medical problems	443	limestone dust, possible cause of silicosis	96	Paraoxon: influence of particle size on inhalation toxicity	352
reactor accidents, effects on plant and community	441	manganese, pamphlet on	209	Parathion: delayed action	211
reactor accidents, public health service role	446	municipal program, Los Angeles	411	Petroleum solvents: benzene content	51
reactors, and their location	428	nursing consultant appointed	412	Phenylmercuric acetate: delayed sensitivity of skin to	574
Nursing service: objectives	311	nursing service objectives	311	Phosphorus: organic compounds, paralytic and related effects	326
O		occupational diseases, Ohio story	201		
Occupational diseases: in Ohio	201				

SUBJECT INDEX TO VOLUME 13

Pits: hazards of	417	Radioisotopes—Continued	Storage-battery plant: lead
Plastics industry: 2-ethylhexyl		in medicine, health problems	toxicity in
phthalate, oral toxicity in		451	524
rats and dogs	259	Radon: retention of decay	Systox: metabolites of, toxic-
Poison: control centers	108,	products in human lungs	ity and action
	305	475	606
Postgraduate education	252,	Respiratory equipment:	T
	303, 488, 631	mechanical breather to	Tanks: hazards of
Printing industry: reaction to		test	417
antiskinning compound in		561	Trichloroethylene: problem in
ink	628		occupational medicine
Propylene oxide		S	581
toxicity in experimental		Santolene: in jet fuel	Trucks: lift, and carbon
animals	228	104	monoxide
toxicity of inhaled vapor	237	SCIENTIFIC EXHIBITS: virus in-	423
Psittacosis	214	fections, control with mod-	Tuberculosis: laboratory,
Public Health Service, Occu-		ified live viruses	safety measures in
pational Health Branch:		275	522
annual report	385	Silica	U
R		free, fibrogenic activity of	Uranium mining: safety in
Rabies: occupational	528	different forms	112
Radioactivity		free, fibrogenic activity of	V
airborne hazard	625	different particle sizes	122
industrial laws concerning		-solubility theory of silicosis	Ventilation: for Baltimore
	104	133	Harbor tunnel, pretesting
Los Angeles health program		Silicosis	318
	519	granite sheds and quarries of	Virus infection: control with
safety code, industrial		Vermont, resurvey	modified live viruses (sci-
hygienists and	528	limestone dust as possible	entific exhibit)
Radiochemicals: processing in-		cause	275
dustry, health problems		96	W
454		Skin diving	Workmen's compensation:
Radioisotopes		93	medical profession and
in industry, health problems		Society news	Mississippi law
448		American Medical Associa-	167
		tion	X
		605	X-rays: injuries to dentists
		Association of Industrial	210
		Medical Officers	
		169, 626	
		Western Industrial Medical	Z
		Association	
		303	Zirconium dusts: effects on
		Solvents, petroleum: benzene	lungs
		content	51
		51	578



A.M.A. *Archives* **OF**
INDUSTRIAL
HEALTH

VOLUME 14
1956

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO 10, ILL.

Starchless

INDUSTRIAL
HEALTH

A.M.A. *Archives* **OF**
INDUSTRIAL
HEALTH

DECEMBER 1956
VOLUME 14 **NUMBER 6**

INDEX TO A. M. A. ARCHIVES OF INDUSTRIAL HEALTH
FOR THE PERIOD
JULY THROUGH DECEMBER, 1956

AMERICAN MEDICAL ASSOCIATION Publication

THIS INDEX consists of two parts: Author and Title Index and Subject Index. A Table of Contents is not included, and subscribers who want one in the bound volume should arrange to have the Table of Contents of each of the six issues of this volume included among the pages to be bound.

AUTHOR AND TITLE INDEX TO VOLUME 14

In this Index in alphabetical order are the names of the authors of all articles, followed by the title of the article and the page numbers on which their articles begin.

For Subject Index see page 598.

A

- Abrahams, A.; Harris, S. J.; Paul, I., and Paul, G. W.: Radiological hazards due to exposure to low-energy radiation in veterinarians: environmental study, 521
- Adams, D. F.: Effects of air pollution on plant life: review, 229
- Amdur, M. O., and Mead, J.: Respiratory response of guinea pigs to inhalation of ethylene oxide, 553
- Anderson, H. H.: See Hine, C. H., *jt. auth.*

B

- Baker, H. S.: See Reif, A. E., *jt. auth.*
- Ball, W. L.: Threshold limits for pesticides, 178
- and Kay, K.: Serum esterase activity as criterion of toxicity of chlorinated hydrocarbon to rats, 319
- and Kay, K.: Serum esterase response in rats exposed to carbon tetrachloride vapor, 450
- Bedford, J.: See Sherwood, R. J., *jt. auth.*
- Blatz, H.: Transportation of large quantities of radioactive materials, 1
- Bloom, G.: See Swensson, A., *jt. auth.*

C

- Caplan, P. E.; Culver, D., and Thielen, W. C.: Human exposures in populated areas during airplane application of malathion, 326
- Carpenter, C. P.; Pozzani, U. C.; Weil, C. S.; Nair, J. H., III; Keck, G. A., and Smyth, H. F., Jr.: Toxicity of butyl Cellosolve solvent, 114
- Cipriani, A. J.: Health and safety activities in reactor operations and chemical processing, 7
- Cohn, S. H.; Gong, J. K., and Milne, W. L.: Experimental treatment of poisoning from fission products: ability of chemical agents to alter uptake and retention of fission products in animals exposed to radioactive fall-out, 533
- Lane, W. B.; Gong, J. K.; Sherwin, J. C., and Milne, W. L.: Inhalation and retention of simulated radioactive fall-out by mice: I. study of simulant of fall-out from nuclear detonation under sea water, 333

Culver, D.: See Caplan, P. E., *jt. auth.*

D

- Doyle, H. N.: See Miller, S. E., *jt. auth.*
- Management aspects of employee health, 303
- Dunlap, M. K.: See Hine, C. H., *jt. auth.*

E

- Eisenbud, M., and Quigley, J. A.: Industrial hygiene of uranium processing, 12

F

- Fleisher, J. H.; Woodson, G. S., and Simet, L.: Visual method for estimating blood cholinesterase activity, 510
- Fryer, J. H., and Williams, H. H.: Cholinesterase activity levels among agricultural workers: survey with respect to degree of absorption by agricultural workers exposed to organic phosphorus insecticides, *132

G

- Gibb, W.; Glen, W.; Hibberd, G., and Ritchie, P. D.: Studies on dust suppression: I. preliminary study of factors affecting the formation of aqueous sprays, 215
- Giblin, M. E.: See Reif, A. E., *jt. auth.*
- Gilman, J. P. W., and Vesselinovitch, S. D.: Evaluation of relative carcinogenicity of 2 types of cutting oil, 341
- Glen, W.: See Gibb, W., *jt. auth.*
- Glomme, J.: See Swensson, A., *jt. auth.*
- Gong, J. K.: See Cohn, S. H., *jt. auth.*
- Gordieyeff, V. A.: Some properties of unipolarly charged aerosols: review, 471
- Gorman, A. E.: Environmental aspects of atomic energy industry, *23
- Grandjean, E.; Turrian, H., and Nicod, J. L.: Fibrogenic action of quartz dusts: biological methods for their quantitative evaluation in rats, 426
- Guyton, H. G., and Lense, F. T.: Methods for evaluating respiratory protective masks and their component parts, 246

H

- Harding, H. E.: See McLaughlin, A. I. G., *jt. auth.*
- Harris, S. J.: See Abrahams, A., *jt. auth.*
- Harris, W. B.: Recent observations on dust control in South African mines, 399
- Hibberd, G.: See Gibb, W., *jt. auth.*
- Hine, C. H.; Kodama, J. K.; Wellington, J. S.; Dunlap, M. K., and Anderson, H. H.: Toxicology of glycidol and some glycidyl ethers, 250
- Hodge, H. C.: See Spiegel, C. J., *jt. auth.*
- Mechanism of uranium poisoning, *43
- Holaday, D. A.: See Miller, S. E., *jt. auth.*

- Hollingsworth, R. L.: See Wolf, M. A., jt. auth.
 Rowe, V. K.; Oyen, F.; Hoyle, H. R., and
 Spencer, H. C.: Toxicity of paradichloroben-
 zene: determinations on experimental animals
 and human subjects, *138
 Hoyle, H. R.: See Hollingsworth, R. L., jt. auth.

K

- Kay, K.: See Ball, W. L., jt. auth.
 Keck, G. A.: See Carpenter, C. P., jt. auth.
 Kleinfeld, M., and Wilson, J. T.: Decompression
 sickness (compressed-air illness) in tunneling
 operation, 539
 Kleinsasser, T. W., and Wanta, R. C.: Develop-
 ment of forecasting service for use in air-
 pollution control, 307
 Kodama, J. K.: See Hine, C. H., jt. auth.

L

- Lane, W. B.: See Cohn, S. H., jt. auth.
 Leach, L. J.: See Speigl, C. J., jt. auth.
 Lense, F. T.: See Guyton, H. G., jt. auth.
 Levinskas, G. J.; Pollis, A., and Novick, W. J.,
 Jr.: Distribution and excretion of boranes, 346
 Lynch, J. M.: N. I. H. Health Service trains sum-
 mer students, 589

Mc

- McCollister, D. D.: See Wolf, M. A., jt. auth.
 McLaughlin, A. I. G., and Harding, H. E.: Pneu-
 moconiosis and other causes of death in iron
 and steel foundry workers, 350

M

- Mangelsdorff, A. F.: Treatment of methemoglobi-
 nemia, 148
 Mead, J.: See Amdur, M. O., jt. auth.
 Myer, A. F., Jr.: Occupational health program of
 the Strategic Air Command, 107
 Middleton, J. T., and Paulus, A. O.: Identification
 and distribution of air pollutants through plant
 response, 526
 Miller, S. E.; Holaday, D. A., and Doyle, H. N.:
 Health protection of uranium miners and
 millers, *48
 Milne, W. L.: See Cohn, S. H., jt. auth.
 Mukai, M.: See Tebbens, B. D., jt. auth.

N

- Nair, J. H., III: See Carpenter, C. P., jt. auth.
 Nicod, J. L.: See Grandjean, E., jt. auth.
 Novick, W. J., Jr.: See Levinskas, G. J., jt. auth.

O

- Oyen, F.: See Hollingsworth, R. L., jt. auth.
 See Wolf, M. A., jt. auth.

P

- Paul, G. W.: See Abrahams, A., jt. auth.
 Paul, I.: See Abrahams, A., jt. auth.
 Paulus, A. O.: See Middleton, J. T., jt. auth.
 Pollis, A.: See Levinskas, G. J., jt. auth.
 Pozzani, U. C.: See Carpenter, C. P., jt. auth.

Q

- Quigley, J. A.: See Eisenbud, M., jt. auth.

R

- Reed, L. S.: Employee health benefit plans—II.
 administrative arrangements for health benefit
 plans, 496
 Employee health benefit programs: I. Growth and
 coverage, 405
 Reif, A. E., and Baker, H. S.: Inhalation studies
 with toluidine blue aerosol in rats, 560
 White, C. S., and Giblin, M. E.: Aerosol pro-
 duction and size analysis with the roller
 separator, 442
 Renzetti, N. A., and Romanovsky, J. C.: Com-
 parative study of oxidants and ozone in Los
 Angeles atmosphere, 458
 Ritchie, P. D.: See Gibb, W., jt. auth.
 Roberts, J. C., Jr.: See Svirbely, J. L., jt. auth.
 Robinson, E.: Wind-direction, controlled air samp-
 ler, *154
 Rogers, J. C.: Los Angeles O-H Division conducts
 radioactive tracer sewage plant study, 581
 Romanovsky, J. C.: See Renzetti, N. A., jt. auth.
 Rowe, V. K.: See Hollingsworth, R. L., jt. auth.
 See Wolf, M. A., jt. auth.

S

- Samitz, M. H.: Studies of chromate dermatitis, *269
 Scheel, L. D.: Experimental technique for small
 animal respirometry, 295
 Schrenk, H. H.: See Weissner, C. W., jt. auth.
 Scott, J. K.: See Speigl, C. J., jt. auth.
 Shapiro, J.: Radiation dosage from breathing radon
 and its daughter products, *169
 Sherwin, J. C.: See Cohn, S. H., jt. auth.
 Sherwood, R. J., and Bedford, J.: Lead hazard in
 boiler cleaning, *92
 Shone, L. B.: Occupational health in U. S. Navy
 and Marine Corps, 543
 Silverman, L.: Air and gas cleaning for nuclear
 energy processes, *32
 Simet, L.: See Fleisher, J. H., jt. auth.
 Smith, M. E.: Variation of effluent concentrations
 from elevated point source, *56
 Smyth, H. F., Jr.: See Carpenter, C. P., jt. auth.
 Spencer, H. C.: See Hollingsworth, R. L., jt. auth.
 Speigl, C. J.; Scott, J. K.; Steinhardt, H.; Leach,
 L. J., and Hodge, H. C.: Acute inhalation tox-
 icity of lithium hydride, 468
 Steinhardt, H.: See Speigl, C. J., jt. auth.
 Stockinger, H. E.; Wagner, W. D., and Wright,
 P. G.: Studies of ozone toxicity: I. potentiat-
 ing effects of exercise and tolerance develop-
 ment, *158

AUTHOR-TITLE INDEX TO VOLUME 14

Svirbely, J. L., and Roberts, J. C., Jr.: Toxicity tests of decaborane for laboratory animals: III. chronic inhalation studies, *163

Swensson, A.; Glomme, J., and Bloom, G.: On the toxicity of silica particles, 482

T

Tebbens, B. D.; Thomas, J. F., and Mukai, M.: Aromatic hydrocarbon production related to incomplete combustion, 413

Thielen, W. C.: See Caplan, P. E., jt. auth.

Thomas, J. F.: See Tebbens, B. D., jt. auth.

Trasko, V. M.: Some facts on the prevalence of silicosis in United States, 379

Tsivoglou, E. C.: Evaluation and control of health hazards in uranium mining industry, *69

Turrian, H.: See Grandjean, E., jt. auth.

V

Vesselinovitch, S. D.: See Gilman, J. P. W., jt. auth.

W

Wagner, W. D.: See Stokinger, H. E., jt. auth.

Wanta, R. C.: See Kleinsasser, T. W., jt. auth.

Weil, C. S.: See Carpenter, C. P., jt. auth.

Weisser, C. W.; Westrick, M. L., and Schrenk, H. H.: Action of detergents in white mineral oil upon rabbit corneal epithelium, *265

Wellington, J. S.: See Hine, C. H., jt. auth.

Wells, R. L.: Medical examinations in industry, 503

Westrick, M. L.: See Weisser, C. W., jt. auth.

White, C. S.: See Reif, A. E., jt. auth.

Williams, C. R.: Factors affecting insurability of nuclear reactors, *77

Williams, H. H.: See Fryer, J. H., jt. auth.

Wilson, J. T.: See Kleinfeld, M., jt. auth.

Wolf, M. A.; Rowe, V. K.; McCollister, D. D.; Hollingsworth, R. L., and Oyen, F.: Toxicological studies of certain alkylated benzenes and benzene: experiments on laboratory animals, 387

Woodson, G. S.: See Fleisher, J. H., jt. auth.

Wright, P. G.: See Stokinger, H. E., jt. auth.

SUBJECT INDEX TO VOLUME 14

The following Index contains an alphabetical list of significant subjects presented in this volume. Abstracts are indexed by category under the heading "ABSTRACTS." Books reviewed are listed alphabetically by title under the heading "BOOKS." Occupational health news compiled by the United States Public Health Service is indexed separately under the heading "OCCUPATIONAL HEALTH NEWS." Items of most general interest are also listed under appropriate headings throughout the index.

A

ABSTRACTS

- accidents and their prevention; protective equipment, 289
- determination of air-borne contaminants, 285, 574
- environmental conditions, 196
- general, 96, 487
- industrial toxicology, 194, 281, 572
- medicine and surgery, 196, 285
- occupational diseases and hazards 190, 274, 487, 571
- physiology and nutrition, 190, 272
- radioactive substances and x-ray, 197, 575
- ventilating, air conditioning, and engineering control, 197, 574

Acrylamide, 206

Aerosols

- production, and size analysis with Roller separator, 442
- toluidine blue, inhalation studies in rats, 560
- unipolarly charged, 471

Air Command, Strategic: occupational health program, 107

Air pollution

- effects on plant life, 229
- forecasting service for use in control, 307
- identification of toxicants by plant responses, 526
- oxidants and ozone in Los Angeles atmosphere, 458

Air sampling

- effluent concentrations from elevated point source, 56
- instrument to meet variable conditions, 300
- wind-direction controlled sampler, 154

Amino compounds, aromatic: poisoning by, therapy, 148

Atomic energy, peaceful uses

- air and gas cleaning for nuclear energy processes, 32
- effluent concentrations from elevated point source, 56
- environmental aspects, 23
- insurability of nuclear reactors, 77
- public health aspects, 85
- reactor operations and chemical processing, health and safety in, 7
- transportation of radioactive materials, 1
- uranium miners and millers, health protection, 48

Atomic energy—continued

- uranium mining, control of health hazards, 69
- uranium poisoning, mechanism, 43
- uranium processing, hygiene of, 12

B

Benzene: alkylated benzenes and, toxicological studies, 387

Boiler cleaning: lead hazard in, 92

Books

- Accident Syndrome (Schulzinger), 579
- Atlas of General Surgery (Wildner), 290
- Clinical Toxicology, Ed. 3 (Thienes and Haley), 199
- Determination of Toxic Substances in Air: Manual of I. C. I. Practice (Stratford and others), 290
- Diseases of Occupation (Hunter), 292
- Gewerbekrankheiten, Ed. 4 (Baader), 291
- Industrial Ventilation: Manual of Recommended Practice (American Conference of Governmental Industrial Hygienists), 491
- Klinik und Therapie der Vergiftungen (Moeschlin), 199
- Lung Function in Coalworker's Pneumoconiosis (Gilson and Hugh-Jones), 292
- Manual of Industrial Medicine, Ed. 3 (McGee), 580
- Psychology of Industrial Behavior (Smith), 290
- Untersuchungsmethoden zur Analyse von Mineral-Feinstaub sowie mineralogische Beitrage zur Abklaerung der Pathogenese der Staublungenenerkrankungen (Willy), 199
- Verhandlungen der deutschen Gesellschaft fuer Arbeitsschutz: Band III. Leistung, Ermuedung, Sicherheit, 291

Boranes, 207

- decaborane, inhalation studies, 163
- distribution and excretion, 346

Butyl Cellosolve: toxicity, 114

C

Caisson disease, 539

Carbon tetrachloride: esterase response in rats exposed to vapor, 450

AUTHOR—TITLE INDEX TO VOLUME 14

- Carcinogens
 - cutting oils, 341
 - industrial, 208
- Chemicals: threshold limit values for 1956, 186
- Chile: industrial hygiene problems, 499
- Chlorinated hydrocarbon insecticides: See under Insecticides
- Cholinesterase, blood
 - estimating, visual method for, 510
 - inorganic phosphorus insecticides and, 132
- Chromate dermatitis, 269
- Cobalt: 10 curie source, radiation protection against, 299
- Compressed-air illness: See Caisson disease
- CORRESPONDENCE
 - treatment of hydrazine toxicity, 569

D

- Decaborane, 208
 - toxicity tests, inhalation studies, 163
- Decompression sickness: See Caisson disease
- Dermatitis: chromate, 269
- Detergents: in oil, effect on rabbit cornea, 265
- Diisocyanates, 207
- Dust
 - aerosol production and size analysis with Roller separator, 442
 - control in South African mines, 399
 - quartz, fibrogenic action, 426
 - suppression, 215

E

- Employee health
 - benefit programs, 405, 496
 - management aspects, 303
- Esterase, serum
 - carbon tetrachloride vapor and, 450
 - chlorinated hydrocarbon insecticides and, 319
- Ethylene oxide: inhalation response in guinea pigs, 553
- Examinations: See Medical examinations

F

- Fabrics: burning tests, 500
- Foundry workers: pneumoconiosis and other causes of death, 350

G

- Glycidol and glycidyl ethers: toxicology, 250

H

- Healthmobile: in Atlanta, 402
- Hydrazine toxicity: treatment (correspondence), 569
- Hydrocarbons
 - aromatic, production related to incomplete combustion, 413
 - chlorinated, esterase activity as criterion of toxicity, 319

I

- Industrial hygiene: problems in Chile, 499
- Industrial medicine
 - challenge to industry, 102
 - community and, 410
 - field reporting form, 411
 - healthmobile, in Atlanta, 402
- Insecticides
 - chlorinated hydrocarbon, esterase activity as criterion of toxicity, 319
 - malathion, human exposure during airplane application, 326
 - organic phosphorus, cholinesterase levels and, 132
 - threshold limits for, 178
- Instrumentation, encyclopedia of, 203
- Iron and steel workers: pneumoconiosis and other causes of death in, 350

L

- Lead
 - hazard in boiler cleaning, 92
 - poisoning, case report, 408
 - poisoning, Franklin letter, 591
- Lithium hydride: inhalation toxicity, 468
- Los Angeles atmosphere, 458

M

- Malathion: airplane application, human exposure during, 326
- Marine Corps, United States: occupational health in, 543
- Masks, protective: evaluating methods, 246
- Medical examinations: in industry, 503
- Methemoglobinemia: treatment, 148
- Mines and mining: See also under Uranium
 - dust control in South African mines, 399
- Mosquito control: malathion, human exposure during airplane application, 326
- Moth-control agents: paradichlorobenzene, toxicity, 138

N

- Navy, United States: occupational health in, 543
- NEWS AND COMMENT, 490
- Nitro compounds, aromatic: poisoning by, therapy, 148

Noise: mobile laboratory to study, 97
 Nuclear power, industrial: See Atomic energy, peaceful uses
 Nursing, industrial: Oklahoma workshop, 492

O

Occupational health
 in Baltimore, 495
 program of Strategic Air Command, 107
 sanitarian's perspective and, 586
 XIIth international congress, 298
 in U. S. Navy and Marine Corps, 543
 OCCUPATIONAL HEALTH NEWS
 air-sampling instrument to meet variable conditions, 300
 American Association of Industrial Nurses, 301
 appointments, 97, 99, 306, 412, 588, 592
 Army Sanitary Engineers training course, 302
 California industrial health institute, 501
 cobalt, 10 curie source, radiation protection against, 299
 employee health, benefit programs, 405, 496
 employee health, management aspects, 303
 fabric-burning tests, 500
 field reporting form, 411
 healthmobile, in Atlanta, 402
 Industrial Health Conference, 203
 industrial hygiene problems in Chile, 499
 industrial medicine challenge, 102
 instrumentation, encyclopedia of, 203
 International Congress on Occupational Health, 298
 lead poisoning, Benjamin Franklin letter, 591
 lead poisoning, case report, 408
 Magnuson, Harold J., appointment, 412
 noise, mobile laboratory to study, 97
 noise problems, courses on, 585
 notes, 202, 306, 592
 nursing, industrial, Oklahoma workshop, 492
 occupational dermatitis, class field trip, 409
 occupational health, and sanitarian's perspective, 586
 occupational health in Baltimore, 495
 poison control center, Seattle, 409
 poisons, economic, clinical memoranda on, 300
 postgraduate course, 203
 preventive medical programs, industrial, 100
 radioactive building, disposal of, 298
 radioactive materials, safe laboratory procedure, 98
 respirometry, small animal, experimental technique, 295

OCCUPATIONAL HEALTH NEWS—continued
 sewage plant, radioactive tracer study, 581
 South Dakota Rural Health Conference, 201
 summer training courses, 589
 toxicology, industrial, advances in 1955, 206
 uranium mining and milling, meeting on hazards of, 212
 Oil, cutting: carcinogenicity of two types, 341
 Oil, lubricating: detergent additives, 265
 Ozone
 oxidants and, in Los Angeles atmosphere, 458
 toxicity, 158

P

Paradichlorobenzene: toxicity, 138
 Pesticides: threshold limits for, 178
 Phosphorus, organic: See under Insecticides
 Pneumoconiosis: and other causes of death in iron and steel workers, 350
 Poison control center, 409
 Postgraduate education, 203, 490
 Preventive medicine: programs needed in industry, 100

Q

Quartz dust: fibrogenic action, 426

R

Radiation, low-energy: hazards to veterinarians from, 521
 Radioactive building: disposal of, 298
 Radioactive fall-out
 poisoning by, experimental therapy, 533
 simulated, effect on mice, 333
 Radioactive materials
 laboratory safety rules, 98
 transportation of, 1
 Radon: and daughter products, radiation dosage from breathing of, 169
 Respirometry: small animal, experimental technique, 295
 Roller particle-size analyzer: in production of aerosols from dust samples, 442
 Rural health: South Dakota conference, 201

S

Sewage plant: radioactive tracer study, 581
 Silica: toxicity of particles, 482
 Silicosis: in United States, 379

AUTHOR—TITLE INDEX TO VOLUME 14

South Africa: dust control in mines, 399
Steel: See Iron and steel workers

T

Textiles: See Fabrics
Threshold limit values for 1956, 186
 for pesticides, 178
Toluidine blue: aerosol, inhalation studies
 in rats, 560
Toxicology, industrial
 advances in 1955, 206
 economic poisons, clinical memoranda on,
 300
Trichloroethylene, 210

U

Uranium

miners and millers, health protection, 48
mining, control of health hazards, 69
mining and milling, meeting on hazards
 of, 212
poisoning, mechanism of, 43
processing, hygiene of, 12

V

Veterinarians: low-energy radiation haz-
ards to, 521